

***This is only a **preview** of the exam task statements for the Training & Experience Examination. You will be asked to respond to each task statement indicating how your training and experience relate to each. To take the actual exam, please refer back to the bulletin and click the “Click here to go to the Internet exam” link at the bottom of the bulletin.

Training and Experience Evaluation Preview Research Scientist 4

The California civil service selection system is merit-based and eligibility for appointment is established through a formal examination process. This examination consists of a Training and Experience evaluation used to evaluate your education and experience relevant to the position.

This Training and Experience evaluation is a scored component accounting for 100% of your rating in the examination process. It is important to complete the questionnaire carefully and accurately. Your responses are subject to verification before appointment to a position.

To answer all the test items (task statements) in this exam, you will be required to choose from among the provided answers, and to enter (type in) specific information about your experience. Work and education references will also be requested.

Be prepared to give specific information about the length and breadth of your work experience. Also, be prepared to provide specific information about where you received your experience.

Verification of References

Before a hiring decision will be made, your responses will be verified. A hiring manager or personnel staff member will contact the references you have provided to confirm job dates, experiences, duties, achievements, and/or possession of knowledge, skills, and abilities. Failure to provide adequate references AND contact information may significantly limit our ability to make a job offer.

Instructions

Rate your experience performing specific job-related tasks.

Respond to each of the following statements by indicating how the statement applies to you. You are required to respond to every question and provide relevant examples. Also, indicate the references who can verify the information provided.

In responding to each statement, you may refer to your EDUCATION or WORK EXPERIENCE, whether paid or volunteer work that you have completed.

PLEASE NOTE: This examination is designed to gain an overall assessment of your education and experience as it directly relates to the duties and the knowledge, skills and abilities required for this position. Possession of specific education is **not** required to be successful in this examination; however, such achievements may substitute for desirable levels of experience. All components of this examination have been carefully validated by tying them directly to job requirements and documenting their relevance to the position.

Tasks for Research Scientist 4

1. Plan and organize major scientific research studies that are complex and have statewide sensitivity and policy impact.
2. Direct major scientific research studies that are complex and have statewide sensitivity and policy impact.
3. Serve as a team member on health projects and investigations within a program on a specific phase of a more complex scientific research study.
4. Act as a technical scientific consultant on health projects and investigations within a program on a specific phase of a more complex scientific research study.
5. Serve as a scientific advisors to other lower-level scientists conducting studies in a specific scientific field.
6. Serve as a consultant to other lower-level scientists conducting studies in a specific scientific field.
7. Solve problems using standard principles, procedures, and techniques for a scientific area of expertise.
8. Make original, independent decisions on complex scientific problems using scientific theories.
9. Make original, independent decisions on complex scientific problems using principles on association and risk.
10. Apply methods, techniques, and procedures to carry out assignments.
11. Conduct highly specialized phases of a major scientific project or investigation of sufficient scope to require coordination with other State, local, or Federal agencies.
12. Present scientific research or investigations in peer reviewed scientific journals.

13. Publish research in peer reviewed scientific journals.
14. Conceive and plan scientific research work of large scope on a statewide or national basis that has extreme difficulty and complexity in unexplored areas.
15. Conduct scientific research work of large scope on a statewide or national basis that has extreme difficulty and complexity in unexplored areas.
16. Consult with department management and others in areas appropriate to their qualifications and participate in the development of health policy.
17. Act as a subject-matter expert in conducting health scientific research that has the potential for adverse health impact on community health.
18. Provide interpretations of scientific research findings for use by others.
19. Evaluate project status, provide feedback and help make decisions on the progress of projects.
20. Increase public awareness of State scientific work through participants in public forums and outreach.
21. Draft grant proposals for external funding.
22. Present results of scientific research (in oral or poster) at recognized scientific research meetings.
23. Help develop cooperative research partnership through working relationships with local, State, and Federal agencies.
24. Participate on workgroups, committees, and advisory bodies both internal and external.
25. Apply principles and procedures of scientific research planning, design, methodology and analysis.
26. Use methods of preparation for scientific research reports.
27. Utilize scientific statistical methods and procedures.
28. Apply data processing techniques.
29. Determine, qualify and compile variables of scientific data.
30. Use scientific research literature and trends applicable to the scientific research area.
31. Apply methods and techniques for selecting appropriate samples for assessment, whether population-based or environment.
32. Establish and maintain cooperative relationships with professional staff and with officials of Federal, State, local, university and private research organizations.
33. Communicate effectively, both verbally and in writing, to peer, management, and lay audiences.
34. Prepare scientific articles and reports for publication.
35. Provide persuasive and skilled leadership to other staff in scientific research, principles and methods.
36. Apply professional scientific knowledge and administrative ability to resolve a variety of situations.
37. Analyze situations accurately and take effective action.
38. Provide information to higher-level scientists in support of decisions on scientific research.
39. Apply established guidelines and scientific techniques.
40. Evaluate the adequacy of proposed scientific research designs and techniques.
41. Serve as a team leader on small scientific projects.

42. Serve as a team member of health research or scientific investigation projects.
43. Plan and organize scientific research studies of a highly develop scientific scope of complexity.
44. Direct scientific research studies of a highly develop scientific scope of complexity.
45. Serve as a consultant to other research scientists.
46. Make independent, difficult decisions in a specific scientific field.
47. Work independently and develop scientific guidelines and technical procedures.
48. Make recommendations to management on scientific health policy issues.
49. Communicate and form professional working relationships with the leading scientists and principle investigators in the field.
50. Review work by analysts and recommend outcomes.
51. Make clear and effective oral presentations during outreach sessions.
52. Meet project objectives in a timely manner.
53. Determine and perform appropriate data analysis.
54. Independently research current health trends related to a group area of research and, under supervision of more experienced scientists, suggest and design studies.